

## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/715,418 A  
Source: IFW16  
Date Processed by STIC: 3-24-05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 03/24/2005

PATENT APPLICATION: US/09/715,418A

TIME: 14:40:42

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\03242005\I715418A.raw

3 <110> APPLICANT: LEWIN, DAVID A.  
 4 PENNICA, DIANE  
 5 RASTELLI, LUCA  
 6 TALLION, BRUCE  
 8 <120> TITLE OF INVENTION: WNT-REGULATED CYTOKINE-LIKE POLYPEPTIDE AND NUCLEIC  
 9 ACIDS ENCODING SAME  
 11 <130> FILE REFERENCE: 11669.191USU1  
 13 <140> CURRENT APPLICATION NUMBER: 09/715,418A  
 14 <141> CURRENT FILING DATE: 2000-11-16  
 16 <150> PRIOR APPLICATION NUMBER: 60/166,177  
 17 <151> PRIOR FILING DATE: 1999-11-18  
 19 <160> NUMBER OF SEQ ID NOS: 49  
 21 <170> SOFTWARE: PatentIn Ver. 2.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 212  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Mus sp.  
 28 <400> SEQUENCE: 1  
 29 gaattcagtg atgtagagag ggccattgag acactcatca agaacttcca taaatactct 60  
 30 gtggcgggta aaaaggaaac actgaccct gctgagcttc gagacctggt taccagcag 120  
 31 ctgccacacc tcatgccgag caactgtggg ttagaagaga aaattgccaa cctgggcaac 180  
 32 tgtaatgact cgaaactgga gtttggaagc tt 212  
 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 1670  
 37 <212> TYPE: DNA  
 38 <213> ORGANISM: Mus sp.  
 40 <220> FEATURE:  
 41 <221> NAME/KEY: misc\_feature  
 42 <222> LOCATION: (1541)  
 43 <223> OTHER INFORMATION: "n" represents a, t, c, g, other or unknown  
 45 <400> SEQUENCE: 2  
 46 tcaggtagagc tggctcctcc atcctgtctc ccagctgcca gcaggctctc ccctcctcta 60  
 47 ggtagatcat gatccatcag ctctgtggg gcaggctata ggacagacga caaaactcaa 120  
 48 ctcacagaag gaaggaccag tgtaccagga acgatgggac agtgctcggtc agccaatgct 180  
 49 gaggatgccc aagaattcag tgatgtagag agggccattg agacactcat caagaacttc 240  
 50 cataaatact ctgtggcggg taaaaaggaa aactgaccc ctgctgagct tcgagacctg 300  
 51 gttacccagc agctgccaca cctcatgccg agcaactgtg ggtagaaga gaaaattgcc 360  
 52 aacctgggca actgtaatga ctcgaaaactg gagtttgga gcttctggga gttgattgga 420  
 53 gaagcagcca agagtgtgaa gatggagagg cctgttactc ggagctgagg acttctactt 480  
 54 ggaacttggt ggggggtgtt gggatagggg agtttttagag gcactggaaa taaaaccctc 540  
 55 aatgcccacc acccccttcc ccagcctgca cctctcctca ttgctgcaat gttcacgttc 600  
 56 aggacaggct tccctgtggg ctccatggag ctctgggtc cagaagtcct catctcaagg 660  
 57 gagctcaggg ggtgggttgg ggctggagag gatatgcagg gatcctggaa gggttaagggc 720

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```

58 caagcaattt ggtagtaggg gaagggcaga aaggaactgg gttatggaag tgatccaaag 780
59 agcaggggatg ggaatctggc tgcataattg gtcctgaaaa ggggtgtctga gaacctaccc 840
60 ccttctaate ttgtcccacc taaactgtag ttgtctgccc tgtgctatcc ttgctgcttc 900
61 cagctctgcc ccatcctcct tccagtgtct gttcctgagt agggggcagg gaaataggag 960
62 cagagttgca aaagaggctg aggagggcat gacttcatca ctttgggggtg agaggaccag 1020
63 ctagatgctt gggcatttat ggtagttatt ttatatcatt tgattaataa aaatattgga 1080
64 aaatgtaaag aaaaaaaaaa aaaaaaacat ggggccgaaa ctttatcccc cttgagtagg 1140
65 gtgataattt gcgtgtgcaa tgggcggcct gttttcgaga ggcggtgaca tggggaaaac 1200
66 atgggggtgt accaaacctt aaccgccttt taggggaaac accccttttg ccgcaagtgg 1260
67 gttaataacg gaagaagccc ggccggattg cccttcacaa gagtctcccg cggtagatgc 1320
68 ggatgggaca gccccttcg gcggcggtta gagcggcggtg tgtgtgggtt ctacgcgaat 1380
69 agggataaat attgtggcgg cgccgaggga gtgtgtgtgt tgcgcgcctg cttctgtgga 1440
70 ggtggtgtgt cccaaaaact aaaagggccc tttgtgctgc gttagtttgc tctagcagag 1500
W--> 71 tccgctgcac atatttttgtt gggcggtgtcc gtgcgcgcgc nggtggtgct tgttgcgtggc 1560
72 gtggcggtgg gtgggtgtgg ttgcgggggt ggtcgtgttg ggtgtgtgct tgcgcgcggg 1620
73 ggccgtgtgt gtgtgtggtt gcatgataag gttagagtga gtgagagcgg 1670
76 <210> SEQ ID NO: 3
77 <211> LENGTH: 131
78 <212> TYPE: PRT
79 <213> ORGANISM: Mus sp.
81 <400> SEQUENCE: 3
82 Ser Ile Ser Ser Cys Gly Ala Gly Tyr Arg Thr Asp Asp Lys Thr Gln
83 1 5 10 15
85 Leu Thr Glu Gly Arg Thr Ser Val Pro Gly Thr Met Gly Gln Cys Arg
86 20 25 30
88 Ser Ala Asn Ala Glu Asp Ala Gln Glu Phe Ser Asp Val Glu Arg Ala
89 35 40 45
91 Ile Glu Thr Leu Ile Lys Asn Phe His Lys Tyr Ser Val Ala Gly Lys
92 50 55 60
94 Lys Glu Thr Leu Thr Pro Ala Glu Leu Arg Asp Leu Val Thr Gln Gln
95 65 70 75 80
97 Leu Pro His Leu Met Pro Ser Asn Cys Gly Leu Glu Glu Lys Ile Ala
98 85 90 95
100 Asn Leu Gly Asn Cys Asn Asp Ser Lys Leu Glu Phe Gly Ser Phe Trp
101 100 105 110
103 Glu Leu Ile Gly Glu Ala Ala Lys Ser Val Lys Met Glu Arg Pro Val
104 115 120 125
106 Thr Arg Ser
107 130
110 <210> SEQ ID NO: 4
111 <211> LENGTH: 357
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <220> FEATURE:
116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: (231)
118 <223> OTHER INFORMATION: "n" represents a, t, c, g, other or unknown
120 <220> FEATURE:
121 <221> NAME/KEY: misc_feature

```

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```

122 <222> LOCATION: (337)
123 <223> OTHER INFORMATION: "n" represents a, t, c, g, other or unknown
125 <400> SEQUENCE: 4
126 ataggacaac agaactctca ccaaaggacc agacacagtg agcaccatgg gacagtgtcg 60
127 gtcagccaac gcagaggatg ctcaggaatt cagtgatgtg gagagggcca ttgagaccct 120
128 catcaagaac tttcaccagt actccgtgga gggtggaag gagacgctga ccccttctga 180
W--> 129 gctacgggac ctggtcaccc agcagctgcc ccatctcatg ccgagcaact ntggcctgga 240
130 agagaaaatt gccaacctgg gcagctgcaa tgactctaaa ctggagttca ggagtttctg 300
131 ggagctgatt ggagaagcgg ccaagagtgt gaagctngag aggactgtcc gggggca 357
134 <210> SEQ ID NO: 5
135 <211> LENGTH: 379
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 5
140 gaattccaga gggagtcttc agtgcccccg gacaggcctc tccagcttca cactcttggc 60
141 cgcttctcca atcagctccc agaaactcct gaactccagt ttagagtcac tgcagctgcc 120
142 caggttgcca attttctctt ccaggccaca gttgctcggc atgagatggg gcagctgctg 180
143 ggtgaccagg tcccgtagct cagaaggggt cagcgtctcc ttcccaccct ccacggagta 240
144 ctggtgaaag ttcttgatga gggctctcaat ggccctctcc acatcactga attcctgagc 300
145 atcctctgcg ttggctgacc gacactgtcc catggtgctc actgtgtctg gtcctttggt 360
146 gagagtcttg ttgtcctat 379
149 <210> SEQ ID NO: 6
150 <211> LENGTH: 118
151 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 6
155 Asp Asn Arg Thr Leu Thr Lys Gly Pro Asp Thr Val Ser Thr Met Gly
156 1 5 10 15
158 Gln Cys Arg Ser Ala Asn Ala Glu Asp Ala Gln Glu Phe Ser Asp Val
159 20 25 30
161 Glu Arg Ala Ile Glu Thr Leu Ile Lys Asn Phe His Gln Tyr Ser Val
162 35 40 45
164 Glu Gly Gly Lys Glu Thr Leu Thr Pro Ser Glu Leu Arg Asp Leu Val
165 50 55 60
167 Thr Gln Gln Leu Pro His Leu Met Pro Ser Asn Cys Gly Leu Glu Glu
168 65 70 75 80
170 Lys Ile Ala Asn Leu Gly Ser Cys Asn Asp Ser Lys Leu Glu Phe Arg
171 85 90 95
173 Ser Phe Trp Glu Leu Ile Gly Glu Ala Lys Ser Val Lys Leu Glu
174 100 105 110
176 Arg Pro Val Arg Gly His
177 115
180 <210> SEQ ID NO: 7
181 <211> LENGTH: 20
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
188 <400> SEQUENCE: 7

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```

189 cttgatgagg gtctcaatgg                                20
192 <210> SEQ ID NO: 8
193 <211> LENGTH: 26
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
200 <400> SEQUENCE: 8
201 ccacatcact gaattcctga gcatcc                                26
204 <210> SEQ ID NO: 9
205 <211> LENGTH: 20
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
212 <400> SEQUENCE: 9
213 cagacacagt gagcaccatg                                20
216 <210> SEQ ID NO: 10
217 <211> LENGTH: 98
218 <212> TYPE: PRT
219 <213> ORGANISM: Homo sapiens, W27152, chemotactic cytokine II CCII from W097/34013
221 <400> SEQUENCE: 10
222 Met Ala Ala Glu Pro Leu Thr Glu Leu Glu Glu Ser Ile Glu Thr Val
223   1           5           10           15
225 Val Thr Thr Phe Phe Thr Phe Ala Arg Gln Glu Gly Arg Lys Asp Ser
226           20           25           30
228 Leu Ser Val Asn Glu Phe Lys Glu Leu Val Thr Gln Gln Leu Pro His
229           35           40           45
231 Leu Leu Lys Asp Val Gly Ser Leu Asp Glu Lys Met Lys Ser Leu Asp
232           50           55           60
234 Val Asn Gln Asp Ser Glu Leu Lys Phe Asn Glu Tyr Trp Arg Leu Ile
235           65           70           75           80
237 Gly Glu Leu Ala Lys Glu Ile Arg Lys Lys Lys Asp Leu Lys Ile Arg
238           85           90           95
240 Lys Lys
244 <210> SEQ ID NO: 11
245 <211> LENGTH: 110
246 <212> TYPE: PRT
247 <213> ORGANISM: Homo sapiens, G491246, Macrophage Migration Inhibition Factor (MRP-
14)
249 <400> SEQUENCE: 11
250 Met Ser Gln Leu Glu Arg Asn Ile Glu Thr Ile Ile Asn Thr Phe His
251   1           5           10           15
253 Gln Tyr Ser Val Lys Leu Gly His Pro Asp Thr Leu Asn Gln Gly Glu
254           20           25           30
256 Phe Lys Glu Leu Val Arg Lys Asp Leu Gln Asn Phe Leu Lys Lys Glu
257           35           40           45
259 Asn Lys Asn Glu Lys Val Ile Glu His Ile Met Glu Asp Leu Asp Thr
260           50           55           60
262 Asn Ala Asp Lys Gln Leu Ser Phe Glu Glu Phe Ile Met Leu Met Ala

```

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```

263   65                               70                               75                               80
265 Arg Leu Thr Trp Ala Ser His Glu Lys Met His Glu Gly Asp Glu Gly
266                               85                               90                               95
268 Pro Gly His His Lys Pro Gly Leu Gly Glu Gly Thr Pro
269                               100                              105                              110
272 <210> SEQ ID NO: 12
273 <211> LENGTH: 37
274 <212> TYPE: PRT
275 <213> ORGANISM: Unknown Organism
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Description of Unknown Organism: 3-100/ICaBP type
279     calcium binding protein
281 <400> SEQUENCE: 12
282 Ser Asn Cys Gly Leu Glu Glu Lys Ile Ala Asn Leu Gly Ser Cys Asn
283   1                               5                               10                               15
285 Asp Ser Lys Leu Glu Phe Arg Ser Phe Trp Glu Leu Ile Gly Glu Ala
286                               20                               25                               30
288 Ala Lys Ser Val Lys
289                               35
292 <210> SEQ ID NO: 13
293 <211> LENGTH: 37
294 <212> TYPE: PRT
295 <213> ORGANISM: Unknown Organism
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Unknown Organism: 3-100/ICaBP type
299     calcium binding protein
301 <400> SEQUENCE: 13
302 Asp Val Glu Arg Ala Ile Glu Thr Leu Ile Lys Asn Phe His Gln Tyr
303   1                               5                               10                               15
305 Ser Val Glu Gly Gly Lys Glu Thr Leu Thr Pro Ser Glu Leu Arg Asp
306                               20                               25                               30
308 Leu Val Thr Gln Gln
309                               35
312 <210> SEQ ID NO: 14
313 <211> LENGTH: 19
314 <212> TYPE: PRT
315 <213> ORGANISM: Unknown Organism
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Unknown Organism: Bacterial type II
319     secretion system protein F
321 <400> SEQUENCE: 14
322 Val Thr Gln Gln Leu Pro His Leu Met Pro Ser Asn Cys Gly Leu Glu
323   1                               5                               10                               15
325 Glu Lys Ile
329 <210> SEQ ID NO: 15
330 <211> LENGTH: 10
331 <212> TYPE: PRT
332 <213> ORGANISM: Unknown Organism
334 <220> FEATURE:

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/715,418A

DATE: 03/24/2005  
TIME: 14:40:43

Input Set : A:\sequence listing.txt  
Output Set: N:\CRF4\03242005\I715418A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1541 ✓  
Seq#:4; N Pos. 231,337 ✓  
Seq#:48; N Pos. 21,127

**VERIFICATION SUMMARY**

DATE: 03/24/2005

PATENT APPLICATION: US/09/715,418A

TIME: 14:40:43

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\03242005\I715418A.raw

L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1500

L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:180

M:341 Repeated in SeqNo=4

L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0

M:341 Repeated in SeqNo=48